



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
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Canada

Tel (613) 632-5200

**D3121-21**  
**Job Sheet 171315**



Part No: D3121-21

Job Qty: 4 ea

Part Name: Bolt



Part Weight: 0 lbs

Status: Scheduled

Priority: High

Job Created: 1/31/18

Job Tracking No:

Due Date: 1/31/18

Created By: Jason Leroux

Type: SOLD

Description:

Note: DWG REV E IPP A 04.02.09 New issue KJ/DS IPP Rev:B ECN 1060 07-11-12 DD verified by:EC

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation          | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off                             |
|-------|--------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|--------------------------------------|
|       |                    |       |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |                                      |
| 90    | Start up Operation | 4 Ea  |            | 1/30/18  | 0.00      | 0.00    | Start Up Machining-1  |           | mmlc 1/31/18<br>1/18/18<br>1/18-1-31 |
| 100   | Hardinge           | 4 pcs |            | 1/31/18  | 0.00      | 0.36    | Hardinge              |           |                                      |
| 110   | QC                 | 4 pcs |            | 1/31/18  | 0.00      | 0.00    | QC2 Machining-1       |           |                                      |
| 120   | QC                 | 4 pcs |            | 1/31/18  | 0.00      | 0.00    | QC8 Machining-1       |           |                                      |
| 130   | Packaging          | 4 pcs |            | 1/31/18  | 0.00      | 0.00    | Packaging3-1          |           |                                      |
| 140   | QC21-SA            | 4 Ea  |            | 1/31/18  | 0.00      | 0.00    | QC21                  |           |                                      |

Part Op Descriptions: 100 - 1-Turn D3121-21 2-Identify as D3121-21 3-Deburr break all sharp edges 0.005" to 0.010"

JAN 31 2016

### Job BOM

| Part / Item | Component Name   | Quantity            | Operation             | Container |
|-------------|------------------|---------------------|-----------------------|-----------|
| M303H0.500  | 303 Hex Bar .500 | .1668 ft (.0417 ea) | 90-Start up Operation |           |

### Job Allocations

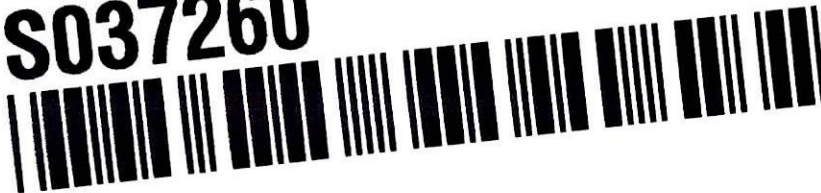
| Operation             | Component Part | Required | Inventory | Allocated |
|-----------------------|----------------|----------|-----------|-----------|
| 90-Start up Operation | M303H0.500     | 0        | 21        | 0         |

### Part Specifications

| Spec No | Description | Target/Tolerance                  | Limits           | Type  | Special Comments |
|---------|-------------|-----------------------------------|------------------|-------|------------------|
| 1       | Bolt        | 0.375Inches ± 0.010               | 0.385<br>0.365   | 0.370 |                  |
| 2       | Bolt        | 0.050Inches + 0.010<br>- 0.000    | 0.060<br>0.050   | 0.058 |                  |
| 3       | Bolt        | 0.080Inches ± 0.010               | 0.090<br>0.070   | 0.080 |                  |
| 5       | Bolt        | 0.190Inches + 0.000<br>- 0.006    | 0.190<br>0.184   | 0.186 | Major Diameter   |
| 6       | Bolt        | 0.2146Inches + 0.0000<br>- 0.0017 | 0.2146<br>0.2129 | 0.213 | Overwire         |

Plex 1/31/18 7:32 AM dart.leroux@on

**DART**  
AEROSPACE  
**S037260**



**Bolt**

**PART NO: D3121-21**  
**Original Serial #: S037260**  
**Revision:**  
**Operation:**  
**Change No:**

**Start up Operation 01/31/18**

**Job No: 171315**

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